



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Stark et al  
Serial No.: 10/669,297  
Filed: October 30, 2003  
Customer No.: 33123  
For: *PUPILOMETER WITH PUPIL IRREGULARITY  
DETECTION, PUPIL TRACKING, AND PUPIL  
RESPONSE DETECTION CAPABILITY,  
GLAUCOMA SCREENING CAPABILITY,  
INTRACRANIAL PRESSURE DETECTION  
CAPABILITY, AND OCULAR ABERRATION  
MEASUREMENT CAPABILITY*

CERTIFICATE OF MAILING

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Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

4-6-04  
Date

TRANSMITTAL LETTER

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Transmitted herewith is an Information Disclosure Statement, PTO-1449 Forms (5 pages), and cited references for filing in the above referenced application. **Because this filing is before receipt of a First Office Action on the merits for the above-captioned application**, no filing fee is due. If it is determined that a fee is due, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-1213.



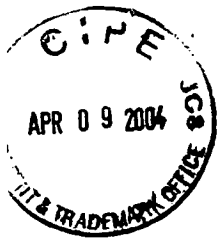
The Commissioner is hereby authorized to charge any fee, including any submitted herewith if the attached check(s) is in the wrong amount or otherwise improper or missing, that may be due in connection with this and the attached papers, or with this application during its entire pendency to or to credit any overpayment to Deposit Account No. 50-1213. A copy of this sheet is enclosed.

Respectfully submitted,  
HELLER EHRMAN WHITE & McAULIFFE LLP

By:

David A. Hall  
Registration No. 32,233

Attorney Docket No.: 39569-2661D  
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*Jennifer U. O.*

**INFORMATION DISCLOSURE STATEMENT  
IN ACCORDANCE WITH 37 C.F.R. §§ 1.97-1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

Because this Information Disclosure Statement is filed prior to receipt of a First Office Action on the merits of the above-captioned application, a fee for filing this statement should not be due. If, however, it is determined that a fee is due, then any fees that may be due in connection with filing this paper may be charged to Deposit Account No. 50-1213.

In accordance with the duty of disclosure imposed by 37 C.F.R. § 1.56 to inform the Patent Office of all material references known by Applicant or Applicants' representative, this Information Disclosure Statement prepared in accordance with 37 C.F.R. §§ 1.97-1.98 is hereby submitted. Attached is a Form PTO-1449 (5 pages) for filing in connection with the above cited continuation application.

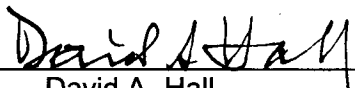
In accordance with 37 C.F.R. § 1.98(d), copies of the cited documents are not provided, as they have been previously provided in connection with the related case of U.S. Application Serial No. 09/711,675 filed November 9, 2000, on which the present application relies for priority, and which is a continuation-in-part of U.S. Serial No. 09/523,778 filed March 13, 2000, now U.S. Patent No. 6,260,968, which is a continuation of U.S. Serial No. 09/298,670 filed April 23, 1999, now U.S. Patent No. 6,116,736.

Although these documents and information are made known to the Patent and Trademark Office in compliance with Applicants' duty of disclosure, such disclosure is not to be construed as an admission by Applicants or Applicants' representative that any of the references, singly or in any combination thereof, is effective as prior art against the subject application. In accordance with 37 C.F.R. § 1.97(h), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. § 1.56(b) exists.


Applicants respectfully request that the Examiner review the foregoing references and request that they be made of record in the file history of the above-captioned application.

Respectfully submitted,

HELLER, EHRMAN, WHITE & McAULIFFE LLP

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Registration No. 32,233

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FORM PTO-1449 (Modified)  LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT  	ATTY. DOCKET NO. 39569-2661D	SERIAL NO. 10/699,297
	APPLICANT Stark et al	
	FILING DATE 10/30/03	GROUP Unknown

U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
		3	5	3	3	6	8	3	10/13/70	Stark et al.	351	206	06/13/67
		3	5	3	3	6	8	4	10/13/70	Stark et al.	351	206	06/26/67
		3	6	3	8	6	4	0	02/01/72	Shaw	600	323	11/01/67
		3	9	0	3	8	7	1	09/09/75	Chisum et al.	600	489	05/01/74
		3	9	0	4	2	8	0	09/09/75	Tate, Jr.	351	211	12/28/73
		R	E	2	8	8	7	3	06/22/76	Morgan	604	298	05/13/74
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		4	1	9	4	8	1	5	03/25/80	Trombley	351	160R	06/28/78
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		4	4	8	5	8	2	0	12/04/84	Flower	600	320	05/10/82
		4	6	4	1	3	4	9	02/03/87	Flom et al.	382	117	02/20/85
		4	6	4	9	9	0	8	03/17/87	Ghaly	128	858	03/01/85
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		4	8	7	1	2	4	7	10/03/89	Haynes	351	219	02/29/88
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		5	0	1	0	8	9	1	04/30/91	Chamoun	600	544	04/12/89

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LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT

U.S. PATENT DOCUMENTS

		5	1	1	7	8	3	5	06/02/92	Mick	600	561	08/30/91
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		5	6	4	9	7	2	7	07/22/97	St. Louis	349	1.2	05/06/96
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		5	7	8	4	1	4	5	07/21/98	Ghodse <i>et al.</i>	351	205	07/24/95

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		5	8	1	3	9	8	2	09/29/98	Baratta	600	398	02/22/94
		5	8	3	1	6	6	7	11/03/98	Siminou	348	63	09/27/96
		5	8	4	1	5	0	2	11/24/98	Miwa	351	209	12/01/97
		5	8	8	3	6	9	1	03/16/99	Ishikawa <i>et al.</i>	351	221	05/15/96
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		5	9	0	3	3	3	3	05/11/99	Siminou <i>et al.</i>	351	160R	06/24/97
		5	9	5	3	0	9	7	09/14/99	Stark	351	160R	06/24/97
		5	9	6	3	3	0	0	10/05/99	Horowitz	351	209	02/17/95
		6	0	2	2	1	0	9	02/08/00	Dal Santo	351	221	12/10/98
		6	1	1	5	1	1	1	09/05/00	Korah <i>et al.</i>	356	4.01	10/05/98
		6	1	1	6	7	3	6	09/12/00	Stark <i>et al.</i>	351	206	04/23/99
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FOREIGN PATENT DOCUMENTS													
		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	Translation Yes No
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		7	1	7	1	1	0	4	07/11/95	JP			X
		9	5	2	2	2	7	8	08/24/95	PCT			
		8	1	4	0	9	3	6	06/04/96	JP			X
		10	5	0	0	0	3	2	01/06/98	JP			X

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FOREIGN PATENT DOCUMENTS														
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		0	0	6	4	3	3	0	11/02/00	PCT				
		0	2	4	6	8	0	1	06/13/02	PCT				

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)	
	AMTech GmbH, "Introducing CIP: compact integrated pupillograph and nystagmograph", 18 pages (1997).
	Asano et al., "Pupillometry", Quarterly progress report no. 66, Mass. Inst. of Technology, 402-412 (July 15 1962).
	ASL, Model 1050, "Pupilsan and pupilscreen" 5 pages (1997)
	ASL Applied Science Laboratories, "Pupilscreen, pupilscreen automatic self measurement pupillometry", 5 pages
	Bishop, "Pathologic pupillary signs: self-learning module, part 3," Critical care nurse 11(8):30-32.
	Bishop, "Pathologic pupillary signs: self-learning module, part 2," Critical care nurse 11(7):58-67.
	Bishop, "Pathologic pupillary signs: self-learning module, part 1," Critical care nurse 11(6):56-63.
	Blackmon et al., "Model-based supervisory control in telerobotics," <i>Presence Teleoper Virtual Environ</i> 5(2): 205-23 (1996)
	Chesnut et al., "The localizing value of assymetry in puillary size in severe head injury: relation to lesion type and location", <i>Neurosurgery</i> 34(5):840-846 (May 1994)
	Choi et al., "String editing analysis of human visual search," <i>Optom Vis Sci.</i> 72(7): 439-51 (1995)
	Fairville Medical Options, Inc., "Pupilsan II: hand-held, electric pupillometer", 3 pages.
	Fairville Medical Options, Inc., "Pupilsan II: hand-held, cordless pupillometer", 4 pages (February 12 1997).
	Finnila C.A., "A convenient eye position and pupil size meter" (partial), 4 pages (1960).
	Gauthier et al., "Adapted head- and eye-movement responses to added-head inertia," <i>Aviat Space Environ Med.</i> 57(4): 336-42 (1986)
	Hacisalihzade et al., "Computer analysis of eye movements," <i>Comput Methods Programs Biomed.</i> 40(3):181-7 (1993)
	Hung et al., "The interpretation of kernels--an overview," <i>Ann Biomed Eng.</i> 19(4):509-19 (1991)
	JAPIO Abstract for Japanese Patent Application, JP 07-171104, published 07/11/95, "Outer diameter measuring equipment, electronic pupil meter, and autonomic function inspecting device".
	Krenz et al., "Neurophysiological model of the normal and abnormal human pupil, IEEE transactions on biomedical engineering, Vol. BME-32, 10:817-825 (October 1985)
	Krieger et al., "Prognostic and clinical relevance of puillary responses, intracdnial pressure monitoring, and brainstem auditory evoked potentials in comatose patients with acute supratentorial mass lesions", <i>critical care medicine</i> , 21:1944-1950 (December 1993).
	Lum et al., "Feedforward stabilization in a bimanual unloading task," <i>Exp Brain Res.</i> 89(1): 172-80 (1992)
	Marshal et al., "Pupillary abnormalities, elevated intracranial pressure and mass lesion location", <i>Intracranial pressure VI</i> , Springer-Verlag Berlin Heidelberg, 656-660 (1986).

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
		Marshall et al., "The oval pupil: clinical significance and relationship to intracranial hypertension, J. Neurosurg, 58:566-568 (April 1983).
		Miyao et al., "Effects of VDT resolution on visual fatigue and readability: an eye movement approach," <i>Ergonomics</i> 32(6):603-14 (1989)
		Myers et al., "Level dependent signal flow in the light pupil reflex. II. Phase velocity of responses to sinusoidal light stimuli," <i>Biol Cybern.</i> 68(3): 235-40 (1993)
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		Nam et al., "Effect of external viscous load on head movement," <i>IEEE Trans Biomed Eng.</i> 31(3): 303-9 (1984)
		Nguyen et al., "Model control of image processing: pupillometry," <i>Comput Med Imaging Graph.</i> 17(1):21-33 (1993)
		Stark, L., "The pupil as a paradigm example a neurological control system: mathematical approaches in biology", The pupil: anatomy, physiology, and clinical applications, Vol. I, Iowa State University Press:630-647 (1993)
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		Stark, L., "Stability oscillations and noise in the human pupil servomechanism", Proceedings of the IRE, 1925-1939 (1959)
		Stark et al., "Pupil Unrest: An example of noise in a biological servomechanism", <i>Nature</i> , 4639, 857-858 (Sept. 27 1958)
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		Sun et al., "Comparative patterns of reading eye movements in Chinese and English," <i>Percept Psychophys.</i> 37(6):502-6 (1985)
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		Wyatt, Harry J., "The Form Of the Human Pupil", <i>Vision Res.</i> , Vol. 35, No. 14, pp. 2021-2036, Pergamon 1995.
		Yarbus A., "Eye movements and vision", Plenum Press, N.Y. 28-41 (1967).
		Zhou et al., "Efficiency of searchpatterns," <i>Comput Biol Med.</i> 23(6): 511-24 (1993)

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